

6BS3A

Half-Wave Vacuum Rectifier

NOVAR TYPE

For Television Damper Service

Electrical:

Heater Characteristics and Ratings:

Voltage (AC or DC). 6.3 ± 0.6 volts

Current at heater volts = 6.3. 1.200 amp

Peak heater-cathode voltage:

Heater negative with respect to cathode^a. 5000^b max. volts

Heater positive with respect to cathode. 300^c max. volts

Direct Interelectrode Capacitances (Approx):^d

P to (K,H). 6.5 pf

K to (P,H). 9.0 pf

Heater to cathode. 2.8 pf

Mechanical:

Operating Position. Any

Type of Cathode. Coated Unipotential

Maximum Overall Length. 3.005"

Seated Length. 2.375" to 2.625"

Diameter. 1.062" to 1.188"

Dimensional Outline. See *General Section*

Bulb. T9

Base. Small-Button Novar 9-Pin with Exhaust Tip (JEDEC No. E9-89)

Basing Designation for BOTTOM VIEW. 9HP

Pin 1 - Do Not Use^e

Pin 2 - Plate

Pin 3 - Do Not Use^e

Pin 4 - Heater

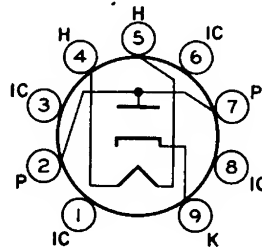
Pin 5 - Heater

Pin 6 - Do Not Use^e

Pin 7 - Plate

Pin 8 - Do Not Use^e

Pin 9 - Cathode



DAMPER SERVICE

Maximum Ratings, Design-Maximum Values:

For operation in a 525-line, 30-frame system^f

Peak Inverse Plate Voltage^a. 5000 max. volts

Peak Plate Current. 1100 max. ma

Average Plate Current. 200 max. ma

Plate Dissipation. 6 max. watts

Characteristics, Instantaneous Value:

Tube Voltage Drop for plate ma = 140 12 volts



RADIO CORPORATION OF AMERICA
Electronic Components and Devices

Harrison, N. J.

DATA
10-64

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- ^a This rating is applicable where the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.
- ^b The dc component must not exceed 900 volts.
- ^c The dc component must not exceed 100 volts.
- ^d Without external shield.
- ^e Socket terminals 1, 3, 6, and 8 should not be used for tie points. It is also recommended that socket clips for these pins be removed to reduce the possibility of arc-over and to minimize leakage.
- ^f As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations", Federal Communications Commission.

